

14166

PAGE 001

OUTPUT 12

MEM. STRG. USED 02207

03700 THRU 06105

07000 THRU 07000

LOK	INSTR	L1ID	L0	
		0	MAIN	PROG*1219B*FACT*OCT*67
		1		REMARK*1219B FACT MODIFIED FROM 1219 FACT
		2		REMARK*MAIN MEMORY TEST
03700	50 7201	3	MAIN	ENTICR*01
03701	46 3732	4		STRAU*TEMP1
03702	44 5415	5		STRAL*ALPARM
03703	52 3737	6		SLCL*IDEX
03704	44 3731	7		STRAL*TEMP
03705	76 6012	10		RJP*TYPE
03706	12 5415	11		ENTAL*ALPARM
03707	65 3711	12		JPALP*LOK+2
03710	76 6065	13		RJP*IOSET
03711	40 5320	14		CL*SRBANK
03712	40 5321	15		CL*BANK
03713	70 0001	16		ENTALK*0001
03714	44 5322	17		STRAL*BANK1
03715	32 3731	20		ENTB*TEMP
03716	13 3735	21		ENTALB*ITNAL
03717	44 4144	22		STRAL*WIRE3
03720	32 3732	23		ENTB*TEMP1
03721	13 3737	24		ENTALB*IDEX
03722	44 5317	25		STRAL*BLMN
03723	12 3733	26		ENTAL*UNO
03724	44 5377	27		STRAL*PAR
03725	44 4644	30		STRAL*RWEX3
03726	12 3734	31		ENTAL*FNL
03727	44 5400	32		STRAL*PAR1
03730	34 3747	33		JP*CRANK1

SHEET 336
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REVISION

03731	00 0000	34	TEMP	0*0	
03732	00 0000	35	TEMP1	0*0	
03733	00 7777	36	UNO	00*7777	
03734	01 7777	37	FNL	01*7777	
03735	55 4120	40	ITNAL	IJP*WIRE	
03736	12 4156	41		ENTAL*WARE1	
03737	00 0001	42	INDEX	00*0001	
03740	00 0003	43		00*0003	
03741	00 0005	44		00*0005	
03742	00 0007	45		00*0007	
03743	00 0011	46		00*0011	
03744	00 0013	47		00*0013	
03745	00 0015	50		00*0015	
03746	00 0017	51		00*0017	
03747	50 7201	52	CRANK1	ENTICR*01	SET R TO 1
03750	50 5020	53		SKP*20	SET KEY 4 TO SUPPRESS TYPEOUTS
03751	34 3753	54		JP*HEAD	NOT SET-TYPE OUT
03752	34 4165	55		JP*TEST	SET GO TO TEST
03753	30 3754	56	HEAD	TYPT*\$CR\$MAIN MEMORY TEST	
03754	00 5416				
03755	76 5541				
03756	51 5600				
03757	55 4555				
03760	20 6271				
03761	00 6445				
03762	63 6477				
03763	70 0001	57	HEAD1	ENTALK*1	
03764	14 4021	60		ADDAL*COUNT	UPDATE COUNT
03765	44 4021	61		STRAL*COUNT	
03766	02 4022	62		CMAL*NUMB	FINISHED 10 CYCLES
03767	63 4165	63		JPNOT*TEST	NOPE
03770	40 4021	64		CL*COUNT	YES CLEAR COUNT FOR NEW START
03771	50 5020	65		SKP*20	KEY 4, SET TO SUPPRESS TYPE OUTS
03772	34 3774	66		JP*LOK+2	
03773	34 4006	67		JP*DOWN	
03774	12 4023	70		ENTAL*BAER	CHECK ERROR FLAG

03775	63 4012	71		JPALNZ*RECYL	TYPEOUT RECYCLE
03776	30 3777	72	HEAD2	TYPT*\$CR\$END 10 CYCLES\$CR\$	
03777	00 5416				
04000	76 4556				
04001	44 0021				
04002	20 0043				
04003	71 4354				
04004	45 6376				
04005	77 7777				
04006	50 5610	73	DOWN	STOP*10	END TEST
04007	50 5004	74	UP	SKP*04	SET SKIP2 TO STAY IN TEST
04010	55 3677	75		IJP*MAIN-1	NOT SET-EXIT
04011	34 3763	76		JP*HEAD1	SET, GO TO CYCLE COUNT
04012	30 4013	77	RECYL	TYPT*\$CR\$RECYCLE	
04013	00 5416				
04014	76 6245				
04015	43 7143				
04016	54 4577				
04017	40 4023	100		CL*BAER	CLEAR ERROR FLAG
04020	34 4006	101		JP*DOWN	
04021	00 0000	102	COUNT	0*0	
04022	00 0013	103	NUMB	00*13	
04023	00 0000	104	BAER	0*0	
		105	ERRROUT	PROG*CASEY*8JUNE64	
04024	00 0000	106	ERRROUT	0*0	ENTRY
04025	72 4116	107		STRICR*SF	SAVE ICR
04026	50 7202	110		ENTICR*2	SET B TO 2
04027	30 4030	111	ERR1	TYPT*\$CR\$ERROR	
04030	00 5416				
04031	76 4562				
04032	62 2062				
04033	77 7777				
04034	30 4035	112	ERR2	TYPT*\$CR\$LAST ADDRESS 1ST ADDRESS	CORRECT INCORRECT
04035	00 5416				
04036	76 5441				
04037	63 6400				

04040	41	4444			
04041	62	4563			
04042	63	0021			
04043	63	6400			
04044	41	4444			
04045	62	4563			
04046	63	0000			
04047	00	4320			
04050	62	6245			
04051	43	6400			
04052	51	5643			
04053	20	6262			
04054	45	4364			
04055	77	7777			
04056	70	7777	113	ENTALK*7777	ERROR SET
04057	44	4023	114	STRAL*BAER	ERROR FLAG
04060	30	4061	115	TYPC*\$CR\$*HERE* * * * * *THERE* * , * * * * *	*
04061	00	5652			
04062	10	0076			
04063	60	5410			
04064	10	0000			
04065	10	0000			
04066	10	0000			
04067	10	0000			
04070	10	0000			
04071	10	0000			
04072	60	5411			
04073	10	0000			
04074	10	0000			
04075	10	0000			
04076	10	0000			
04077	10	0000			
04100	10	0000			
04101	10	0000			
04102	10	0000			
04103	10	0000			
04104	00	0000			

04105	30	4106	116	TL2	TYPC*DIP* * * *DIP+1	
04106	00	5652				
04107	60	5406				
04110	10	0000				
04111	10	0000				
04112	10	0000				
04113	60	5407				
04114	00	0000				
04115	50	5604	117	SF	STOP*04	STOP AFTER TYPEOUT
04116	50	7200	120		ENTICR*0	RESTORE B REG
04117	55	4024	121		IJP*ERROUT	BACK
04120	00	0000	122	WIRE	PROG*MUELLER*10CT64	
04121	42	4156	123	WIRE	0*0	CHECK FOR 128 CONTROL MEMORY
04122	12	4156	124		STRB*WARE1	
			125		ENTAL*WARE1	
04123	02	4164	126		CMAL*LARGST	IS B LARGE ENOUGH
04124	65	4155	127		JPMLEQ*WURE3	YES EXIT
04125	12	4156	130		ENTAL*WARE1	CHECK FOR B LESS THAN PIE
04126	02	4157	131		CMAL*LEAST	
04127	65	4132	132		JPMLEQ*WIRE4	
04130	32	4157	133		ENTB*LEAST	
04131	55	4120	134		IJP*WIRE	
04132	12	4156	135	WIRE4	ENTAL*WARE1	B IN CONTROL MEMORY
04133	53	4160	136		SLCP*WARE2	B IN CONTROL MEMORY
04134	63	4137	137		JPALNZ*WARE3	NO
04135	37	0100	140		ENTBKB*0100	YES
04136	55	4120	141		IJP*WIRE	RETURN TO PROGRAM
04137	12	4156	142	WARE3	ENTAL*WARE1	CHECK FOR WIRED MEMORY
04140	53	4161	143		SLCP*WIRE2	IS IT WIRE
04141	63	4144	144		JPALNZ*WIRE3	NO
04142	37	0040	145		ENTBKB*0040	YES
04143	55	4120	146	WIRE3	IJP*WIRE	RETURN TO MAIN PROG
04144	12	4156	147		ENTAL*WARE1	CHECK FOR 256 CONTROL MEMORY
04145	53	4162	150		SLCP*WORE2	B IN 400
04146	63	4151	151		JPALNZ*WORE3	NO
04147	37	0140	152		ENTBKB*0140	YES ADD 140 TO B

04150	55 4120	153	IJP*WIRE	RETURN TO MAIN PROG
04151	12 4156	154	WORE3	B IN 600
04152	53 4163	155		SLCP*WURE2
04153	63 4155	156		JPALNZ*WURE3
04154	37 0100	157		ENTBKB*0100
04155	55 4120	160	WURE3	IJP*WIRE
04156	00 0000	161	WARE1	0*0
04157	00 0100	162	LEAST	00*0100
04160	00 0200	163	WARE2	00*0200
				MASK FOR LOWER CONTROL MEMORY
04161	00 0500	164	WIRE2	MASK FOR WIRED MEMORY
04162	00 0400	165	WORE2	MASK FOR LOWER 256 CONTROL MEMORY
04163	00 0600	166	WURE2	MASK FOR UPPER 256 CONTROL MEMORY
04164	00 0700	167	LARGST	00*0700
		170	TEST	PROG*CASEY*8JUNE64
04165	50 7201	171	TEST	ENTICR*01
04166	32 5377	172		ENTB*PAR
04167	56 5400	173		BSK*PAR1
				LOWER LIMIT TO B FOR HOLD ZEROS
				HAVE ALL ADDRESSES BEEN CLEARED
04170	34 4172	174		NO GO TO HOLD ZERO S/R
04171	34 4177	175		YES CHECK FOR ZERO HOLD
04172	76 4120	176	HDO	TEST FOR WIRE OR CONTROL
04173	50 7310	177		
04174	41 0000	200		SET ADDRESS TO ZERO
04175	75 5414	201		
04176	34 4167	202		UPDATE ADDRESS
04177	32 5377	203	HOCK	
04200	56 5400	204		HAVE ALL ADDRESSES BEEN CHECKED
04201	34 4203	205		NO KEEP CHECKING
04202	34 4243	206		YES GO TO NEXT S/R
04203	76 4120	207		TEST FOR WIRE OR CONTROL
04204	50 7310	210		
04205	13 0000	211		ENTER ADDRESS INTO AL
04206	75 5414	212		
04207	63 4211	213		CORRECT NO GO TO ERROR DISPLAY
04210	34 4200	214		YES KEEP CHECKING
04211	10 5401	215		ERROR CORRECT IN AU
04212	46 5406	216		SAVE FOR TYPEOUT

04213	44 5407	217	STRAL*DIP+1	SAVE FOR TYPEOUT	
04214	50 5601	220	STOP*01	STOP KEY 0 FOR ERROR DISPLAY	
04215	42 5410	221	STRB*HERE	SET FAILING ADDRESS IN AL	
04216	12 5410	222	ENTAL*HERE	SAVE ADDRESS	
04217	50 5601	223	STOP*01	DISPLAY ADDRESS IN AL	
04220	50 5020	224	SKP*20	TYPEOUT SUPPRESSED	
04221	76 4225	225	RJP*PROOF	NO GO TO ERROR TYPEOUT	
04222	50 5001	226	SKP*01	SET SKIP KEY 0 TO REPEAT TEST	
04223	34 4200	227	JP*HOCK+1	NOT SET CONTINUE TEST	
04224	34 4165	230	JP*TEST	SET RECYCLE SR	
04225	00 0000	231	PROOF	0*0	
04226	42 5411	232	STRB*THERE	SAVE B COUNT	
04227	56 5400	233	BSK*PAR1	KEEP CHECKING	
04230	34 4233	234	JP*LOK+3	GO	
04231	76 4024	235	RJP*ERROUT	GO BACK TO SR	
04232	55 4225	236	IJP*PROOF	CHECK FOR WIRED AND CONTROL MEMORY	
04233	76 4120	237	RJP*WIRE	ENTER CELL CONTENTS IN AL	
04234	50 7310	240	ENTSR*10		
04235	13 0000	241	ENTALB*0		
04236	75 5414	242	STRSR*JVW	IS IT CORRECT	
04237	02 5406	243	CMAL*DIP	LAST ONE WRONG	
04240	61 4231	244	JPEQ*PROOF+4	YEP	
04241	42 5411	245	STRB*THERE	FINISH THE CHECK	
04242	34 4227	246	JP*PROOF+2	LIMIT TO B FOR HOLD ONES	
04243	32 5377	247	HO1	PROG*CASEY*9JUNE64	
04244	56 5400	250	HO1	ENTB*PAR	
		251		BSK*PAR1	
04245	34 4247	252	HLD1	NO GO TO LOAD S/R	
04246	34 4255	253		YES-CHECK LOAD	
04247	76 4120	254		TEST FOR WIRE OR CONTROL	
04250	12 5402	255		ALL ONES	
04251	50 7310	256			
04252	45 0000	257			
04253	75 5414	260			
04254	34 4244	261		GO BACK AND CHECK LOAD	
04255	32 5377	262	HICK	LOWER LIMIT TO B	
			ENTB*PAR		

04256	56 5400	263	BSK*PAR1	HAVE ALL ADDRESSES BEEN CHECKED
04257	34 4261	264	JP*LOK+2	NO KEEP CHECKING
04260	34 4304	265	JP*HALT	YES-GO TO NEXT S/R
04261	76 4120	266	RJP*WIRE	TEST FOR WIRE OR CONTROL
04262	50 7310	267	ENTSR*10	
04263	13 0000	270	ENTALB*0	ENTER ADDRESS INTO AL
04264	75 5414	271	STRSR*JVW	CHECK FOR CORRECT LOAD
04265	02 5402	272	CMAL*PAT1	INCORRECT GO TO ERROR DISPLAY
04266	63 4270	273	JPNOT*LOK+2	CORRECT CHECK NEXT ADDRESS
04267	34 4256	274	JP*HICK+1	CORRECT TO AU
04270	10 5402	275	ENTAU*PAT1	SAVE FOR TYPEOUT
04271	46 5406	276	STRAU*DIP	SAVE ERROR FOR TYPEOUT
04272	44 5407	277	STRAL*DIP+1	
04273	50 5601	300	STOP*01	STOP KEY 0 FOR ERROR DISPLAY
04274	42 5410	301	STRB*HERE	SET FAILING ADDRESS IN AL
04275	12 5410	302	ENTAL*HERE	SAVE ADDRESS
04276	50 5601	303	STOP*01	DISPLAY ADDRESS IN AL
04277	50 5020	304	SKP*20	SET KEY 4 TO SUPPRESS TYPEOUTS
04300	76 4225	305	RJP*PROOF	NO GO TO ERROR TYPEOUT
04301	50 5001	306	SKP*01	SET SKIP KEY 0 TO REPEAT TEST
04302	34 4256	307	JP*HICK+1	CONTINUE TEST
04303	34 4243	310	JP*HD1	SET RECYCLE S/R
04304	32 5377	311	HALT	PROG*CASEY*9JUNE64
04305	56 5400	312	HALT	ENTB*PAR
04306	34 4310	313		BSK*PAR1
04307	34 4316	314		JP*ALT1
04310	76 4120	315		JP*ATICK
04311	12 5403	316	ALT1	RJP*WIRE
		317		ENTAL*PAL1
04312	50 7310	320		TEST FOR WIRE OR CONTROL
04313	45 0000	321		ENTSR*10
04314	75 5414	322		STRALB*0
04315	34 4305	323		STRSR*JVW
04316	32 5377	324	ATICK	JP*HALT+1
04317	56 5400	325		ENTB*PAR
04320	34 4322	326		BSK*PAR1
04321	34 4345	327		JP*LOK+2
				JP*HALTO

04322	76 4120	330	RJP*WIRE	TEST FOR WIRE AND CONTROL
04323	50 7310	331	ENTSR*10	
04324	13 0000	332	ENTALB*0	
04325	75 5414	333	STRSR*JVW	
04326	02 5403	334	CMAL*PAL1	
04327	63 4331	335	JPNOT*L0K+2	
04330	34 4317	336	JP*ATICK+1	
04331	10 5403	337	ENTAU*PAL1	
04332	46 5406	340	STRAU*DIP	
04333	44 5407	341	STRAL*DIP+1	
04334	50 5601	342	STOP*01	
04335	42 5410	343	STRB*HERE	
04336	12 5410	344	ENTAL*HERE	
04337	50 5601	345	STOP*01	
04340	50 5020	346	SKP*20	
04341	76 4225	347	RJP*PRUOF	
04342	50 5001	350	SKP*01	
04343	34 4317	351	JP*ATICK+1	
04344	34 4304	352	JP*HALT	
04345	32 5377	353	HALTO	PROG*CASEY*9JUNE64
04346	56 5400	355	HALTO	ENTB*PAR
04347	34 4351	356	BSK*PAR1	
04350	34 4357	357	JP*ALTO	
04351	76 4120	360	JP*ATOCK	
04352	12 5404	361	RJP*WIRE	
04353	50 7310	362	ENTAL*PAL0	
04354	45 0000	363	ENTSR*10	
04355	75 5414	364	STRALB*0	
04356	34 4346	365	STRSR*JVW	
04357	32 5377	366	JP*HALTO+1	
04360	56 5400	367	ATOCK	ENTB*PAR
04361	34 4363	370	BSK*PAR1	
04362	34 4406	371	JP*L0K+2	
04363	76 4120	372	JP*TWP0	
04364	50 7310	373	RJP*WIRE	CHECK FOR WIRE AND CONTROL
			ENTSR*10	

04365	13	0000	374	
04366	75	5414	375	ENTALB*0
04367	02	5404	376	STRSR*JVV
04370	63	4372	377	CMAL*PAL0
04371	34	4360	400	JPNOT*LOK+2
04372	10	5404	401	JP*ATOCK+1
04373	46	5406	402	ENTAU*PAL0
04374	44	5407	403	STRAU*DIP
				STRAL*DIP+1
04375	50	5601	404	STOP*01
04376	42	5410	405	STRB*HERE
04377	12	5410	406	ENTAL*HERE
04400	50	5601	407	STOP*01
04401	50	5020	410	SKP*20
04402	76	4225	411	RJP*PROOF
04403	50	5001	412	SKP*01
04404	34	4360	413	JP*ATOCK+1
04405	34	4345	414	
04406	32	5377	415	TWP0
04407	10	4564	416	TWP1
04410	56	5400	417	ENTB*PAR
04411	34	4413	420	ENTAU*AZEROS
04412	34	4463	421	BSK*PAR1
04413	76	4120	422	JP*LOK+2
04414	42	4567	423	JP*CHECK
				RJP*WIRE
				STRB*WORK+1
04415	36	0000	424	
04416	12	4567	425	ENTBK*0
04417	52	4563	426	ENTAL*WORK+1
04420	03	4572	427	SLCL*TWPK2
04421	61	4425	430	CMALB*TWP
04422	56	4562	431	JPSEQ*LOK+4
04423	34	4420	432	BSK*TWPK1
04424	34	4434	433	JP*LOK-3
				JP*TWP2
04425	42	4566	434	
04426	12	4566	435	STRB*WORK
04427	50	4621	436	ENTAL*WORK
04430	65	4433	437	LSHAL*17D
				JPALP*LOK+3

04431	10	4564	440	ENTAU*AZEROS
04432	34	4434	441	JP*LOK+2
04433	10	4565	442	ENTAU*AONES
04434	32	4567	443	TWP2 ENTB*WORK+1
04435	50	7310	444	ENTSR*10
04436	47	0000	445	STRAUB*0
04437	47	0003	446	STRAUB*3
04440	47	0005	447	STRAUB*5
04441	47	0006	450	STRAUB*6
04442	75	5414	451	STRSR*JVW
04443	60	4446	452	JPAUZ*LOK+3
04444	10	4564	453	ENTAU*AZEROS
04445	34	4447	454	JP*LOK+2
04446	10	4565	455	ENTAU*AONES
04447	50	7310	456	ENTSR*10
04450	47	0001	457	STRAUB*1
04451	47	0002	460	STRAUB*2
04452	47	0004	461	STRAUB*4
04453	47	0007	462	STRAUB*7
04454	75	5414	463	STRSR*JVW
04455	37	0007	464	ENTBKB*7
04456	60	4461	465	JPAUZ*LOK+3
04457	10	4564	466	ENTAU*AZEROS
04460	34	4462	467	JP*LOK+2
04461	10	4565	470	ENTAU*AONES
04462	34	4410	471	JP*TWP1+1
04463	32	5377	472	CHECK ENTB*PAR
04464	10	4564	473	ENTAU*AZEROS
04465	56	5400	474	BSK*PAR1
✓04466	34	4470	475	JP*LOK+2
04467	34	4560	476	JP*SWIT1
04470	76	4120	477	RJP*WIRE
04471	42	4567	500	STRB*WORK+1
04472	36	0000	501	ENTRK*0
04473	12	4567	502	ENTAL*WORK+1
04474	52	4563	503	SLCL*TWPK2

04475	03	4572	504	CMALB*TWPA	
04476	61	4502	505	JPEQ*LOK+4	
04477	56	4562	506	BSK*TWPK1	
04500	34	4475	507	JP*LOK-3	
04501	34	4511	510	JP*TWP4	
04502	42	4566	511	STRB*WORK	
04503	12	4566	512	ENTAL*WORK	
04504	50	4621	513	LSHAL*17D	
04505	65	4510	514	JPALP*LOK+3	
04506	10	4564	515	ENTAU*AZERO\$	
04507	34	4511	516	JP*LOK+2	
04510	10	4565	517	ENTAU*AONES	
04511	46	4570	520	TWP4	STRAU*CORPAT
04512	12	4567	521	ENTAL*WORK+1	
04513	52	4571	522	SLCL*K7	
04514	61	4527	523	JPALZ*TWP4A	
04515	71	7774	524	ADDALK*7774	
04516	61	4527	525	JPALZ*TWP4A	
04517	71	7775	526	ADDALK*7775	
04520	61	4527	527	JPALZ*TWP4A	
04521	71	7776	530	ADDALK*7776	
04522	61	4527	531	JPALZ*TWP4A	
04523	60	4526	532	JPAUZ*LOK+3	
04524	10	4564	533	ENTAU*AZERO\$	
04525	34	4527	534	JP*LOK+2	
04526	10	4565	535	ENTAU*AONES	
04527	50	4722	536	LSHA*18D	
04530	32	4567	537	ENTB*WORK+1	
04531	50	7310	540	ENTSR*10	
04532	03	0000	541	CMALB*0	
04533	63	4537	542	JPNOT*TWP5	
04534	75	5414	543	STRSR*JVW	
04535	10	4570	544	ENTAU*CORPAT	
04536	34	4465	545	JP*CHECK+2	
04537	75	5414	546	STRSR*JVW	
04540	44	5406	547	STRAL*DIP	

04541	50	7310	550	ENTSR*10
04542	11	0000	551	ENTAUB*0
04543	75	5414	552	STRSR*JVW
04544	46	5407	553	STRAU*DIP+1
04545	50	4722	554	LSHA*180
04546	50	5601	555	STOP*01
04547	42	5410	556	STRB*HERE
04550	42	5411	557	STRB*THERE
04551	12	5410	560	ENTAL*HERE
04552	50	5601	561	STOP*01
04553	50	5020	562	SKP*20
04554	76	4024	563	RJP*ERRROUT
04555	50	5001	564	SKP*1
04556	34	4535	565	JP*TWP4B
04557	34	4406	566	JP*TWP0
04560	76	5135	567	SWIT1 RJP*FLUSH1
04561	34	4617	570	JP*RWEX
04562	00	0025	571	TWPK1 25*
04563	00	7777	572	TWPK2 007777*
04564	00	0000	573	AZERO5 000000*
04565	77	7777	574	AONES 777777*
04566	00	0000	575	WORK 000000*
04567	00	0000	576	000000*
04570	00	0000	577	CORPAT 000000*
04571	00	0007	600	K7 000007*
04572	00	0100	601	TWPA 000100*
04573	00	0200	602	000200*
04574	00	0300	603	000300*
04575	00	0500	604	000500*
04576	00	0600	605	000600*
04577	00	1700	606	001700*
04600	00	2400	607	002400*
04601	00	2500	610	002500*
04602	00	3000	611	003000*
04603	00	3300	612	003300*
04604	00	4200	613	004200*
04605	00	4400	614	004400*

04606	00	4500	615	004500*
04607	00	5200	616	005200*
04610	00	5300	617	005300*
04611	00	6300	620	006300*
04612	00	6500	621	006500*
04613	00	6600	622	006600*
04614	00	7000	623	007000*
04615	00	7100	624	007100*
04616	00	7700	625	007700*
			626	PROG*MUELLER*29SEPT64
04617	12	4646	627	RWEX ENTAL*RWEX7
04620	44	4645	630	STRAL*RWEX4
04621	12	5377	631	ENTAL*PAR
04622	44	4644	632	STRAL*RWEX3
04623	12	4642	633	RWEX5 ENTAL*RWEX1
04624	44	4656	634	STRAL*RW21
04625	12	4643	635	ENTAL*RWEX2
04626	44	4703	636	STRAL*RW22
04627	57	4645	637	ISK*RWEX4
04630	34	4632	640	JP*RWEX6
04631	34	4763	641	JP*LAST
04632	12	4644	642	RWEX6 ENTAL*RWEX3
04633	71	0001	643	ADDALK*01
04634	44	4746	644	STRAL*RW14
04635	71	0777	645	ADDALK*0777
04636	44	4744	646	STRAL*RW12
04637	44	4644	647	STRAL*RWEX3
04640	76	4647	650	RJP*RW
04641	34	4623	651	JP*RWEX5
04642	44	7000	652	RWEX1 STRAL*IMAGE
04643	02	7000	653	RWEX2 CMAL*IMAGE
04644	00	0000	654	RWEX3 0*0
04645	00	0000	655	RWEX4 0*0
04646	00	0006	656	RWEX7 00*0006
			657	PROG*CASEY*29JUNE64
04647	00	0000	660	RW 0*0

04650	32 4746	661	RW1	ENTB*RW14	LOWER LIMIT TO B
04651	76 4120	662	RW2	RJP*WIKE	TEST FOR CONTROL AND WIRED MEMORY
04652	76 4750	663		RJP*RAN	GENERATE RANDOM NUMBER
04653	50 7310	664		ENTSR*10	
04654	45 0000	665		STRALB*0	STORE PATTERN
04655	75 5414	666		STRSR*JVW	
04656	44 7000	667	RW21	STRAL*IMAGE	STORE IMAGE
04657	12 4656	670		ENTAL*RW21	ADVANCE IMAGE ADDRESS
04660	71 0001	671		ADDALK*1	
04661	44 4656	672		STRAL*RW21	
04662	56 4744	673		BSK*RW12	
04663	34 4651	674		JP*RW2	NO
04664	32 4746	675		ENTB*RW14	YES
04665	12 4742	676	RW3	ENTAL*RW10	RESTORE INDEX
04666	44 4743	677		STRAL*RW11	
04667	50 7310	700	RW4	ENTSR*10	READ WORD 40 TIMES
04670	13 0000	701		ENTALB*0	
04671	75 5414	702		STRSR*JVW	
04672	57 4743	703		ISK*RW11	
04673	34 4667	704		JP*RW4	PATTERN COMPLETE
04674	56 4744	705		BSK*RW12	NO
04675	34 4665	706		JP*RW3	YES-VERIFY
04676	32 4746	707		ENTB*RW14	TEST FOR CONTROL AND WIRED MEMORY
04677	76 4120	710		RJP*WIKE	
04700	50 7310	711	RW6	ENTSR*10	
04701	13 0000	712		ENTALB*0	
04702	75 5414	713		STRSR*JVW	
04703	02 7000	714	RW22	CMAL*IMAGE	IS WORD CORRECT
04704	63 4713	715		JPNOT*RW20	NO
04705	12 4703	716	RW07	ENTAL*RW22	ADVANCE COMPARISON ADDRESS
04706	71 0001	717		ADDALK*1	
04707	44 4703	720		STRAL*RW22	
04710	56 4744	721	RW7	BSK*RW12	YES-PATTERN COMPLETED
04711	34 4677	722		JP*RW6-1	
04712	55 4647	723		IJP*RW	YES EXIT
04713	12 4703	724	RW20	ENTAL*RW22	

04714	74	4715	725		STRADR*RW23	
04715	10	0000	726	RW23	ENTAU*0	ERROR CORRECT IN AU
04716	46	5406	727		STRAU*DIP	SAVE FOR TYPEOUT
04717	50	7310	730		ENTSR*10	
04720	13	0000	731		ENTALB*0	INCORRECT IN AL
04721	75	5414	732		STRSR*JVW	
04722	44	5407	733		STRAL*DIP+1	SAVE FOR TYPEOUT
04723	50	5601	734		STOP*01	SET STOP 0 FOR ERROR DISPLAY
04724	42	4745	735		STRB*RW13	FAILING ADDRESS TO AL
04725	12	4745	736		ENTAL*RW13	FOR DISPLAY
04726	44	5410	737		STRAL*HERE	SAVE FOR TYPEOUT
04727	44	5411	740		STRAL*THERE	ONE ADDRESS
04730	50	5601	741		STOP*01	SET STOP 0 TO DISPLAY FAILING ADD
04731	50	5020	742		SKP*20	SET SKIP 4 TO SUPPRESS TYPEOUTS
04732	76	4024	743		RJP*ERRROUT	NOT SET TYPEOUT
04733	50	5001	744		SKP*01	SET SKIP 0 TO REPEAT S/R
04734	34	4705	745		JP*RW07	NOT SET CONTINUE
04735	12	4642	746		ENTAL*RWEX1	RESET IMAGE STORAGE
04736	44	4656	747		STRAL*RW21	
04737	12	4643	750		ENTAL*RWEX2	
04740	44	4703	751		STRAL*RW22	
04741	34	4650	752		JP*RW1	
04742	00	0050	753	RW10	00*0050	
04743	00	0050	754	RW11	0*50	
04744	00	0777	755	RW12	0*777	
04745	00	0000	756	RW13	0*0	
04746	00	0000	757	RW14	0*0	
04747	00	0200	760	RW15	0*200	
			761	RAN	PROG*CASEY*29JUNE64	
04750	34	0000	762	RAN	JP*0	RANDOM NUMBER GENERATOR
04751	12	4761	763	RAN1	ENTAL*RAN2	
04752	24	4761	764		MULAL*RAN2	
04753	26	4762	765		DIVA*RAN3	
04754	62	4757	766		JPAUNZ*RAN4	
04755	44	4761	767		STRAL*RAN2	
04756	55	4750	770		IJP*RAN	STORE PATTERN

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04757	46	4761	771	RAN4	STRAU*RAN2	
04760	55	4750	772		IJP*RAN	
04761	00	0703	773	RAN2	00*0703	
04762	37	7775	774	RAN3	37*7775	
			775		REMARK*ADDRESSING STRUCTURE TEST	
04763	12	5317	776	LAST	ENTAL*BLMN	BANK NUM WHERE MEMORY ENDS
04764	50	4614	777		LSHAL*12D	
04765	14	5126	1000		ADDAL*LMSK	ACTUAL END OF MEMORY ADDR
04766	44	5132	1001		STRAL*LTEMPM	SAVE FOR LATER
04767	44	5125	1002		STRAL*LEND	SET END CHECK ADDR
04770	12	5321	1003		ENTAL*BANK	BANK NUM PROG IS IN
04771	50	4614	1004		LSHAL*12D	REPOSITION AND
04772	44	5127	1005		STRAL*LTEMP	SAVE
04773	71	1447	1006		ADDALK*INT2-1	ACTUAL BEG-OF-PROG(-1) ADDR
04774	44	5131	1007		STRAL*LTEMPI	SAVE FOR LATER
04775	12	5127	1010		ENTAL*LTEMP	
04776	14	5126	1011		ADDAL*LMSK	ACTUAL END-OF-PROG BANK ADDR
04777	44	5130	1012		STRAL*LTEMPF	SAVE FOR LATER
05000	32	5130	1013		ENTB*LTEMPF	INIT B FOR STORING
05001	76	5017	1014		RJP*LASTR	STORE ADDR INTO CELLS BEYOND PROG
05002	12	5131	1015		ENTAL*LTEMPI	
05003	44	5125	1016		STRAL*LEND	RESET END CHECK ADDR
05004	36	0700	1017		ENTBK*0700	RESET B FOR STORING
05005	76	5017	1020		RJP*LASTR	STORE ADDR INTO CELLS BEFORE PROG
05006	12	5132	1021	LASTA	ENTAL*LTEMPM	
05007	44	5125	1022		STRAL*LEND	RESET END CHECK ADDR
05010	32	5130	1023		ENTB*LTEMPF	RESET B FOR CHECKING,, CHECK CELLS AFTER PROGRAM
05011	76	5030	1024		RJP*LACHK	
05012	12	5131	1025		ENTAL*LTEMPI	
05013	44	5125	1026		STRAL*LEND	RESET END, CHECK ADDR
05014	36	0700	1027		ENTBK*0700	RESET B FOR CHECKING
05015	76	5030	1030		RJP*LACHK	CHECK CELLS BEFORE PROGRAM
05016	34	5133	1031		JP*FLUSH	THROUGH
05017	00	0000	1032	LASTR	0*0	
05020	42	5127	1033		STRB*LTEMP	
05021	12	5127	1034		ENTAL*LTEMP	ADDR TO BE STORED
05022	50	7310	1035		ENTSR*010	

05023	45 0000	1036	STRALB*0000	STORE OWN ADDR IN CELL
05024	75 5127	1037	STRSR*LTEMP	
05025	56 5125	1040	BSK*LEND	
05026	34 5020	1041	JP*LASTR+1	
05027	55 5017	1042	IJP*LASTR	
05030	00 0000	1043	0*0	
			LACHK	
05031	50 7310	1044	ENTSR*010	CHECK CELL WITH ADDRESS
05032	13 0000	1045	ENTALB*0000	CONTENTS OF CELL TO AL
05033	75 5127	1046	STRSR*LTEMP	
05034	42 5127	1047	STRB*LTEMP	
05035	02 5127	1050	CMAL*LTEMP	
05036	61 5117	1051	JPEQ*LACHKC	
05037	10 5127	1052	ENTAU*LTEMP	CONTENTS AGREE WITH ADDRESS
05040	46 5123	1053	STRAU*LCORR	YES NO-CORRECT VALUE TO AU
05041	44 5124	1054	STRAL*LICORR	
05042	50 5601	1055	STOP*01	SAVE AU AND AL FOR TYPEOUT
05043	12 5127	1056	ENTAL*LTEMP	STOP TO DISPLAY IF KEY 0
05044	44 5122	1057	STRAL*LADD	ADDRESS TO AL
05045	50 5601	1060	STOP*01	SAVE FOR TYPEOUT
05046	50 5020	1061	SKP*020	STOP TO DISPLAY IF KEY 0
05047	34 5051	1062	JP*LOK+2	SKIP 4 SET
05050	34 5114	1063	JP*LACHKB	NO
05051	44 4023	1064	STRAL*BAER	YES-SUPPRESS TYPEOUT
05052	30 5053	1065	TYPT*\$CR\$ERROR\$CR\$ADDRESS=	SET ERROR FLAG WITH ADDR(NEVER 0)
05053	00 5416			
05054	76 4562			
05055	62 2062			
05056	76 4144			
05057	44 6245			
05060	63 6335			
05061	77 7777			
05062	30 5063	1066	TYPC*LADD	
05063	00 5652			
05064	60 5122			
05065	00 0000			
05066	30 5067	1067	TYPT* CORRECT=	

05067	00 5416				
05070	00 0000				
05071	43 2062				
05072	62 4543				
05073	64 3577				
05074	30 5075	1070	TYPC*LCORR		
05075	00 5652				
05076	60 5123				
05077	00 0000				
05100	30 5101	1071	TYPT* INCORRECT		
05101	00 5416				
05102	00 0000				
05103	51 5643				
05104	20 6262				
05105	45 4364				
05106	35 7777				
05107	30 5110	1072	TYPC*LICORR		
05110	00 5652				
05111	60 5124				
05112	00 0000				
05113	50 5604	1073	LACHKB	STOP*04	STOP FF TYPEOUT IF KEY 2
05114	50 5001	1074		SKP*01	SKIP 0 SET
05115	34 5117	1075		JP*LOK+2	NO
05116	34 4763	1076		JP*LAST	YES-RECYCLE TEST
05117	56 5125	1077	LACHKC	BSK*LEND	ENUF CHECKS DONE YET
05120	34 5031	1100		JP*LACHK+1	NO-CHECK END OF CYCLE OR VMD MISMATCH
05121	55 5030	1101		IJP*LACHK	YES-EXIT
05122	00 0000	1102	LADD _{1,2,4}	000000*	HOLDS ADDRESS FOR TYPEOUT
05123	00 0000	1103	LCORR	000000*	HOLDS CORRECT DATA FOR TYPEOUT
05124	00 0000	1104	LICORR	000000*	HOLDS INCORRECT DATA FOR TYPEOUT
05125	00 0000	1105	LEND	000000*	HOLDS TEMP END ADDR FOR CHECK
05126	00 7777	1106	LMSK	007777*	MASK
05127	00 0000	1107	LTEMP	000000*	TEMP STORE
05130	00 0000	1110	LTEMPF	000000*	HOLDS ACTUAL END-OF-PROG(+1) ADDR
05131	00 0000	1111	LTEMPI	000000*	HOLDS ACTUAL END-OF-MEM ADDR
05132	00 0000	1112	LTEMPPM	000000*	HOLDS ACTUAL BEG-OF-PROG(-1) ADDR

05133	76 5135	1113	FLUSH	PROG*CASEY*9JUNE64
		1114	FLUSH	RJP*FLUSH1
05134	34 5323	1115		JP*RELO
		1116	FLUSH1	PROG*MUELLER*24 SEPT 64
05135	00 0000	1117	FLUSH1	0*0
05136	32 5377	1120		ENTB*PAR
05137	76 4120	1121		RJP*WIRE
05140	56 5400	1122		BSK*PAR1
05141	34 5143	1123		JP*LOK+2
05142	34 5150	1124		JP*LOK+6
05143	12 5402	1125		ENTAL*PAT1
05144	50 7310	1126		ENTSR*10
05145	45 0000	1127		STRAEB*0
05146	75 5414	1130		STRSR*JVW
05147	34 5137	1131		JP*FLUSH1+2
05150	32 5377	1132		ENTB*PAR
05151	76 4120	1133		RJP*WIRE
05152	56 5400	1134		BSK*PAR1
05153	34 5155	1135		JP*LOK+2
05154	55 5135	1136		IJP*FLUSH1
05155	50 7310	1137		ENTSR*10
05156	41 0000	1140		CLB*0
05157	75 5414	1141		STRSR*JVW
05160	34 5151	1142		JP*LOK-7
05161	12 5321	1143	RSET	PROG*MUELLER*20 OCT 64
		1144	RSET	ENTAL*BANK
05162	71 0001	1145		ADDALK*0001
05163	02 5317	1146		CMAL*BLMN
05164	63 5227	1147		JPNOT*RSET6
05165	44 5321	1150		STRAL*BANK
05166	50 4614	1151		LSHAL*14
05167	14 5225	1152		ADDAL*RSETS
05170	44 5222	1153		STRAL*RSET2
05171	40 5322	1154		CL*BANK1
05172	70 7776	1155		ENTALK*7776
05173	44 5377	1156		STRAL*PAR

W:FLUSH MEMORY

05133 76 5135 1113
 05134 34 5323 1115
 05135 00 0000 1117
 05136 32 5377 1120
 05137 76 4120 1121
 05140 56 5400 1122
 05141 34 5143 1123
 05142 34 5150 1124

W:CHECK FOR CONTROL AND WIRED MEMORY

CHECK FOR CONTROL AND WIRED MEMORY

REFERENCE BANK NUMBER

05161 12 5321 1143
 05161 12 5321 1144

SETBANK TO BANK1
 DID PRUG JUST TEST LAST BANK
 NO

BANK1 EQUAL TO NEXT TESTED BANK

SET LOWER LIMIT OF BANK ZERO

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REVISION C

0P208	00 0213	1150	218474648	
0P202	00 0208	1159	21K474KME8	
0P205	01 3329	1160	21D474K+1113R	
0P203	70 0000	1161	21N474L1113R	
0P206	15 0215	1162	21N474L1113R	
0P207	00 0208	1163	21N474L1113R	
05174	44 4644	1157	STRAL*RWEX3	SET LOWER LIMIT FOR RWEX TEST
05175	12 5223	1160	ENTAL*RSET3	SET UPPER LIMIT FOR
05176	44 5400	1161	STRAL*PAR1	BANK ZERO
05177	12 5412	1162	ENTAL*CHEET	INITIALIZE WIRE ROUTINE
05200	44 4121	1163	STRAL*WIRE+1	
05201	12 5320	1164	ENTAL*SRBANK	INCREMENT THE VALUE FOR
05202	71 0001	1165	ADDALK*0001	THE TRANSFER OF SR
05203	51 5224	1166	SLSET*RSET4	
05204	44 5320	1167	STRAL*SRBANK	
05205	70 0077	1170	ENTALK*0077	
05206	50 4722	1171	LSHA*22	
05207	12 5214	1172	ENTAL*RSET1+1	
05210	04 5320	1173	SLSU*SRBANK	
05211	44 5214	1174	STRAL*RSET1+1	CLEAR B FOR TRANSFER
05212	36 0000	1175	ENTBK*0	TRANS PROG TO LAST BANK
05213	13 0000	1176	RSET1	
05214	50 7300	1177	ENTALB*0	
05215	45 0000	1200	ENTSR*0	
05216	75 5320	1201	STRALB*0	
05217	56 5405	1202	STRSR*SRBANK	
			BSK*TOTAL	
05220	34 5213	1203	JP*RSET1	NO CONTINUE TRANSFER
05221	55 5222	1204	IJP*RSET2	YES GO TO TRANSFERRED PROGRAM
05222	00 0000	1205	RSET2	
05223	00 7777	1206	RSET3	
05224	00 0010	1207	RSET4	
05225	00 4165	1210	RSET5	
05226	01 0000	1211	RSET12	
05227	12 5321	1212	RSET6	
05230	02 5317	1213	CMAL*BLMN	
05231	63 5270	1214	JPNOT*RSET11	
05232	40 5321	1215	CL*BANK	
05233	12 5321	1216	ENTAL*BANK	
05234	71 0001	1217	ADDALK*0001	
05235	44 5322	1220	STRAL*BANK1	
05236	12 5224	1221	ENTAL*RSET4	
05237	44 5320	1222	STRAL*SRBANK	
				SET UP SPECIAL REG FOR
				TRANS TO BANK ZERO

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РІ ГІ ГІМЕН ДЕРІ ГІНІ

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SET LOWER LIMIT FOR RWEX TEST

SET UPPER LIMIT FOR

BANK ZERO

INITIALIZE WIRE ROUTINE

INCREMENT THE VALUE FOR
THE TRANSFER OF SR

CLEAR B FOR TRANSFER
TRANS PROG TO LAST BANK

NO CONTINUE TRANSFER
YES GO TO TRANSFERRED PROGRAM

TRANSFER TO LAST BANK

REFERENCE BANK NUMBER

IS PROG IN LAST BANK

NO TRANSFER TO NEXT BANK

YES TRANSFER PROG TO BANK ZERO

BANK 1 TESTED IN NEXT LOC FOR JEP?

00 SHEET 055
03-10-1983

REVISION

05240	12	5322	1223	ENTAL*BANK1
05241	50	4614	1224	LSHAL*14
05242	71	7776	1225	ADDALK*7776
05243	44	4644	1226	STRAL*RWEX3
05244	44	5377	1227	STRAL*PAR
05245	12	5377	1230	ENTAL*PAR
05246	14	5226	1231	ADDAL*RSET12
05247	44	5400	1232	STRAL*PAR1
05250	12	5413	1233	ENTAL*CHEET1
05251	44	4121	1234	STRAL*WIRE+1
05252	70	0077	1235	ENTALK*0077
05253	50	4722	1236	LSHA*22
05254	12	5261	1237	ENTAL*RSET7+1
05255	04	5320	1240	SLSU*SRBANK
05256	44	5261	1241	STRAL*RSET7+1
05257	36	0700	1242	ENTBK*7000
05260	13	0000	1243	RSET7
05261	50	7300	1244	ENTALB*0
05262	45	0000	1245	ENTSR*0
05263	75	5320	1246	STRALB*0
05264	56	5405	1247	STRSR*SRBANK
05265	34	5260	1250	BSK*TOTAL
05266	55	5267	1251	JP*RSET7
05267	00	3763	1252	RSET10
05270	71	0001	1253	RSET11
05271	44	5321	1254	0*HEAD1
05272	71	0001	1255	ADDALK*0001
05273	44	5322	1256	STRAL*BANK1
05274	12	5320	1257	ADDALK*0001
05275	71	0001	1260	STRAL*BANK1
05276	51	5224	1261	ADDALK*0001
05277	44	5320	1262	SLSET*RSET4
05300	12	5322	1263	STRAL*SRBANK
05301	50	4614	1264	ENTAL*BANK1
05302	71	7776	1265	LSHAL*14
05303	44	4644	1266	ADDALK*7776
05304	44	5377	1267	STRAL*RWEX3
				STRAL*PAR

SET UP LOWER TEST LIMIT

SET UP LOWER LIMIT FOR RWEX TEST

LSHAL*14 ADDALK*7776 STRAL*PAR

SET UP UPPER TEST LIMIT

INITIALIZE BANK NUMBER

INITIALIZE WIRE ROUTINE

INITIALIZE BANK NUMBER

INITIALIZE WIRE ROUTINE

INIT B FOR TRANSFER

INITIALIZE BANK NUMBER

INITIALIZE WIRE ROUTINE

SET UP BANK EQUAL TO NEXT PROG AREA

SET BANK1 EQUAL TO NEXT TEST AREA

SET SRBANK FOR TRANSFER TO NEXT BANK

INITIALIZE BANK NUMBER

INITIALIZE WIRE ROUTINE

SHEET 1 OF 4
01/03/01

REVISION C

05305	12 5377	1270	ENTAL*PAR	SET UP UPPER TEST LIMIT
05306	14 5226	1271	ADDAL*RSET12	
05307	44 5400	1272	STRAL*PAR1	
05310	12 5413	1273	ENTAL*CHEET1	INITIALIZE WIRE ROUTINE
05311	44 4121	1274	STRAL*WIRE+1	
05312	12 5321	1275	ENTAL*BANK	SET UP IJP
05313	50 4614	1276	LSHAL*14	
05314	14 5225	1277	ADDAL*RSET5	
05315	44 5222	1300	STRAL*RSET2	
05316	34 5205	1301	JP*RSET1-6	TRANSFER
05317	00 0000	1302	BLMN 0*0	UPPER BANK NUMBER LIMIT STORAGE
05320	00 0000	1303	SRBANK 0*0	STORAGE FOR SPECIAL REGISTER
05321	00 0000	1304	BANK 0*0	STORAGE FOR LOCATION OF RUNNING PROGRAM
05322	00 0001	1305	BANK1 00*0001	STORAGE FOR LOCATION OF TESTED BANK
05323	50 5602	1306	RELO STOP*02	SET STOP KEY1 TO STOP AT END OF THIS PUR1
05324	50 5002	1307	SKP*02	SET SKIP KEY 1 TO RETEST BANK
05325	34 5327	1310	JP*L0K+2	
05326	34 4165	1311	JP*TEST	RETEST THIS BANK
05327	10 5376	1312	ENTAU*REL02	SET UP BUFFER LIMITS
05330	12 5322	1313	ENTAL*BANK1	FOR PROGRAM AFTER TRANSFER
05331	50 4614	1314	LSHAL*14	
05332	44 5375	1315	STRAL*REL01	
05333	04 5466	1316	SLSU*T\$1+1	
05334	44 5466	1317	STRAL*T\$1+1	
05335	04 5467	1320	SLSU*T\$1+2	
05336	44 5467	1321	STRAL*T\$1+2	
05337	04 5475	1322	SLSU*T\$2+1	
05340	44 5475	1323	STRAL*TS2+1	
05341	04 5476	1324	SLSU*T\$2+2	
05342	44 5476	1325	STRAL*TS2+2	
05343	04 5767	1326	SLSU*T\$\$1+1	
05344	44 5767	1327	STRAL*T\$\$1+1	
05345	04 5770	1330	SLSU*T\$\$1+2	
05346	44 5770	1331	STRAL*T\$\$1+2	
05347	04 6000	1332	SLSU*T\$\$2+1	
05350	44 6000	1333	STRAL*T\$\$2+1	

05351	04	6001	1334	SLSU*T\$2+2
05352	44	6001	1335	STRAL*T\$2+2
05353	04	4063	1336	SLSU*TL1+3
05354	44	4063	1337	STRAL*TL1+3
05355	04	4072	1340	SLSU*TL1+12
05356	44	4072	1341	STRAL*TL1+12
05357	04	4107	1342	SLSU*TL2+2
05360	44	4107	1343	STRAL*TL2+2
05361	04	4113	1344	SLSU*TL2+6
05362	44	4113	1345	STRAL*TL2+6
05363	04	3754	1346	SLSU*HEAD+1
05364	44	3754	1347	STRAL*HEAD+1
05365	44	3777	1350	STRAL*HEAD2+1
05366	44	4013	1351	STRAL*RECYL+1
05367	44	4030	1352	STRAL*ERR1+1
05370	44	4035	1353	STRAL*ERR2+1
05371	04	4061	1354	SLSU*TL1+1
05372	44	4061	1355	STRAL*TL1+1
05373	44	4106	1356	STRAL*TL2+1
05374	34	5161	1357	JP*RSET
05375	00	0000	1360	REL01 00*0000
05376	70	7777	1361	REL02 70*7777
05377	00	3434	1362	PAR 0*3434
05400	01	7777	1363	PAR1 01*7777
05401	00	0000	1364	PAT 0*0
05402	77	7777	1365	PAT1 77*7777
05403	52	5252	1366	PAL1 52*5252
05404	25	2525	1367	PAL0 25*2525
05405	00	7777	1370	TOTAL 00*7777
05406	00	0000	1371	DIP 0*0
05407	00	0000	1372	HERE 0*0
05410	00	0000	1373	HERE 0*0
05411	00	0000	1374	THERE 0*0
05412	42	4156	1375	CHEET STRB*WARE1
05413	55	4120	1376	CHEET1 IJP*WIRE
05414	00	0000	1377	JVW 00*0000

INSTRUCTIONS USED
IN WIRE ROUTINE

TRANSFER PROG TO NEXT BANK

STORAGE

MASK

SHEET 55
NO 53

REVISION Q

05415	00 0000	1400	ALPARM	0*
		1401		REMARK*TYPT FOR 1232 OR 1532
05416	00 0000	1402	TYPT	0*
05417	75 5460	1403		STRSR*T\$PT20
05420	46 5506	1404		STRAU*T\$PT3
05421	44 5507	1405		STRAL*T\$PT4
05422	42 5510	1406		STRB*T\$PT5
05423	70 0003	1407		ENTALK*3
05424	76 5471	1410		RJP*T\$PT12
05425	32 5416	1411	T\$PT1	ENTB*TYPT
05426	37 0001	1412		ENTBK*1
05427	42 5416	1413		STRB*TYPT
05430	50 7310	1414		ENTSR*10
05431	11 0000	1415		ENTAUB*0
05432	50 7300	1416		ENTSR*0
05433	36 0002	1417		ENTBK*2
05434	70 0000	1420	T\$PT2	ENTALK*0
05435	50 4706	1421		LSHA*6
05436	02 5511	1422		CMAL*T\$PT6
05437	61 5451	1423		JPEQ*T\$PT22
05440	71 0040	1424	RNOOP	ADDALK*40
05441	02 5547	1425		CMAL*M136
05442	63 5446	1426		JPNOT*L0K+4
05443	70 0015	1427		ENTALK*15
05444	76 5462	1430		RJP*T\$PT7
05445	70 0012	1431		ENTALK*12
05446	76 5462	1432		RJP*T\$PT7
05447	73 5434	1433	T\$PT21	BJP*T\$PT2
05450	34 5425	1434		JP*T\$PT1
05451	70 0001	1435	T\$PT22	ENTALK*1
05452	76 5471	1436		RJP*T\$PT12
05453	14 5416	1437		ADDAL*TYPT
05454	44 5416	1440		STRAL*TYPT
05455	10 5506	1441		ENTAU*T\$PT3
05456	12 5507	1442		ENTAL*T\$PT4
05457	32 5510	1443		ENTB*T\$PT5

MODIFIED TO RJP*CONVER IF 1232 SELECTED
CR-LF?

NO

CR

LF

SHEET 300
SET 10463

REVISION C

05460	50	7300	1444	T\$PT20	ENTSR*0
05461	55	5416	1445		IJP*TYPY
05462	00	0000	1446	T\$PT7	0*
05463	76	5500	1447		RJP*T\$PT13
05464	44	5513	1450		STRAL*T\$PT11
05465	50	1200	1451	T\$PT14	BUFOUT*CHAN*AD*1*T\$PT11
05466	00	5513			
05467	00	5513			IJP*T\$PT7
05468	55	5462	1452	T\$PT12	0*
05469	00	0000	1453		RJP*T\$PT13
05470	76	5500	1454		STRAL*T\$PT11
05471	44	5513	1455	T\$2	EXFCT*CHAN*AD*1*T\$PT11
05472	50	1300	1456		
05473	00	5513			
05474	00	5513			
05475	55	5471	1457		IJP*T\$PT12
05476	00	0000	1460	T\$PT13	0*
05477	50	2300	1461	T\$3	SKPFIN*CHAN
05478	34	5501	1462		JP*LOK-1
05479	50	2200	1463	T\$4	SKPOIN*CHAN
05480	34	5503	1464		JP*LOK-1
05481	55	5500	1465		IJP*T\$PT13
05482	00	0000	1466	T\$PT5	0*
05483	00	0000	1467	T\$PT4	0*
05484	00	0000	1470	T\$PT5	0*
05485	00	0077	1471	T\$PT6	77*
05486	00	0136	1472	T\$PT61	0*136
05487	00	0000	1473	T\$PT11	0*
05488	00	0000	1474	CONVER	0*
05489	42	5544	1475		STRB*COUNTR
05490	36	0000	1476		ENTBK*0
05491	71	0040	1477		ADDALK*40
05492	02	5547	1500		CNAL*M136
05493	63	5526	1501		JPNOT*LOK+5
05494	70	0004	1502		ENTALK*4
05495	76	5462	1503		RJP*T\$PT7
05496	70	0003	1504		ENTALK*3

ADD ASCII BIAS
CR-LF
NO
CR
LF

05525	34	5542	1505	
05526	44	5550	1506	
05527	13	5551	1507	
05530	52	5545	1510	
05531	50	4211	1511	
05532	02	5550	1512	
05533	61	5540	1513	
05534	56	5546	1514	
05535	34	5527	1515	
05536	12	5550	1516	
05537	50	5640	1517	
05540	13	5551	1520	
05541	52	5511	1521	
05542	32	5544	1522	
05543	55	5514	1523	
05544	00	0000	1524	COUNTR
05545	17	7000	1525	CT177
05546	00	0100	1526	M76
05547	00	0136	1527	M136
05550	00	0000	1530	MDUM
05551	10	1006	1531	CONST
05552	10	2007	1532	
05553	10	3010	1533	
05554	10	4011	1534	
05555	10	5012	1535	
05556	10	6013	1536	
05557	10	7014	1537	
05560	11	0015	1540	
05561	11	1016	1541	
05562	11	2017	1542	
05563	11	3020	1543	
05564	11	4021	1544	
05565	11	5022	1545	
05566	11	6023	1546	
05567	11	7024	1547	
05570	12	0025	1550	

JP*CONV3
 STRAL*MDUM
 ENTALB*CONST
 SLCL*CT177
 RSHAL*90
 CMAL*MDUM
 JPEQ*CONV2
 BSK#M76P9
 JP*CONV1
 ENTAL*MDUM
 STOP*40
 ENTALB*CONST
 SLCL*TSPT6
 ENT8*COUNTR
 IJP*CONVER
 0*
 CT177
 177000*
 M76
 000100*
 M136
 000136*
 MDUM
 0*
 101006*
 102007*
 103010*
 104011*
 105012*
 106013*
 107014*
 110015*
 111016*
 112017*
 113020*
 114021*
 115022*
 116023*
 117024*
 120025*

05571	12	1026	1551	121026*
05572	12	2027	1552	122027*
05573	12	3030	1553	123030*
05574	12	4031	1554	124031*
05575	12	5032	1555	125032*
05576	12	6033	1556	126033*
05577	12	7034	1557	127034*
05600	13	0035	1560	130035*
05601	13	1036	1561	131036*
05602	13	2037	1562	132037*
05603	01	5004	1563	015004*
05604	01	2003	1564	012003*
05605	13	7076	1565	137076*
05606	05	2050	1566	052050*
05607	04	7072	1567	047072*
05610	05	6075	1570	056075*
05611	04	0005	1571	040005*
05612	17	7077	1572	177077*
05613	06	0060	1573	060060*
05614	06	1061	1574	061061*
05615	06	2062	1575	062062*
05616	06	3063	1576	063063*
05617	06	4064	1577	064064*
05620	06	5065	1600	065065*
05621	06	6066	1601	066066*
05622	06	7067	1602	067067*
05623	07	0070	1603	070070*
05624	07	1071	1604	071071*
05625	05	0051	1605	050051*
05626	05	1040	1606	051040*
05627	05	3042	1607	053042*
05630	05	4056	1610	054056*
05631	05	5041	1611	055041*
05632	05	7074	1612	057074*
05633	07	2053	1613	072053*
05634	07	3073	1614	073073*

05635	07 4043	1615	
05636	07 5044	1616	
05637	07 8045	1617	
05640	07 7054	1620	
05641	10 0057	1621	
05642	04 4047	1622	
05643	05 2050	1623	
05644	13 5046	1624	
05645	13 4001	1625	
05646	04 3002	1626	
05647	04 2052	1627	
05650	04 1055	1630	
05651	13 6050	1631	
05652	00 0000	1633	TYPIC
05653	75 5743	1634	
05654	46 5745	1635	
05655	44 5746	1636	
05656	42 5747	1637	
05657	70 0003	1640	
05660	76 5774	1641	
05661	32 5652	1642	T\$PC1
05662	37 0001	1643	
05663	42 5652	1644	
05664	50 5731	1645	
05665	11 0000	1646	
05666	50 5730	1647	
05667	70 0000	1650	
05670	50 4703	1651	
05671	61 5735	1652	T\$PC2
05672	44 5750	1653	
05673	32 5750	1654	
05674	35 8674	1655	
05675	34 5712	1656	
05676	34 5724	1657	
05677	34 5730	1660	

074043*
 075044*
 076045*
 077054*
 100057*
 044047*
 052050*
 135046*
 134001*
 045002*
 042052*
 041055*
 136050*
 REMARK*TYPIC FOR 1232 OR 1532

STRSR*T\$PC20
 STRAU*T\$PC12
 STRAL*T\$PC13
 STRB*T\$PC14
 ENTALK*3
 RJP*T\$RG241181
 ENTB*TYPIC
 ENTBK*B1
 STRB*TYPIC
 ENTSR*100100
 ENTAUB*00
 ENTSR*0+100
 ENTAALK*0
 LSHM*T\$PC15
 JPALZ*T\$PC11
 STRAU*T\$RC15
 ENTB*T\$PC15
 JPB*T\$PC2
 JP*T\$PC3
 JP*T\$PC4
 JP*T\$PC6

ENABLE KEYBOARD
ADVANCE EXIT ADDR

NEXT CODE WORD TO AL

CLR SR ACTIVE

CODE DIGIT TO AL
ALL DONE IF ZERO
TEMP STORE

KYBD COMMAND

A
A UPPER

05700	34	5726	1661	JP*T\$PC5
05701	34	5732	1662	JP*T\$PC7
05702	70	0000	1663	ENTALK*0
05703	50	4717	1664	LSHA*17
05704	44	5750	1665	STRAL*T\$PC15
05705	32	5750	1666	ENTB*T\$PC15
05706	50	7310	1667	ENTSR*10
05707	11	0000	1670	ENTAUB*0
05710	50	7300	1671	ENTSR*0
05711	34	5733	1672	JP*T\$PC10
05712	70	0000	1673	ENTALK*0
05713	50	4717	1674	LSHA*15D
05714	61	5722	1675	JPAEZ*T\$PCSP
05715	70	0015	1676	ENTALK*15
05716	76	5763	1677	RJP*T\$PC21
05717	70	0012	1700	ENTALK*12
05720	76	5763	1701	RJP*T\$PC21
05721	34	5661	1702	JP*T\$PC1
05722	70	0040	1703	ENTALK*40
05723	34	5720	1704	JP*LOK-3
05724	10	5745	1705	ENTAUS*T\$PC12
05725	76	5751	1706	RJP*T\$PC16
05726	10	5746	1707	ENTAUS*T\$PC13
05727	34	5733	1710	JP*T\$PC10
05730	10	5745	1711	ENTAUS*T\$PC12
05731	34	5733	1712	JP*T\$PC10
05732	10	5747	1713	ENTAUS*T\$PC14
05733	76	5751	1714	RJP*T\$PC16
05734	34	5661	1715	JP*T\$PC1
05735	70	0001	1716	ENTALK*1
05736	14	5652	1717	ADDAL*TPC
05737	44	5652	1720	STRAL*TPC
05740	10	5745	1721	ENTAUS*T\$PC12
05741	12	5746	1722	ENTALK*TPC
05742	32	5747	1723	ENTB*T\$PC14
05743	50	7300	1724	ENTSR*0
				T\$PC20

A LOWER

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Figure 10. The same as Figure 9.

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CONTENTS OF VOLUME 10

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1987-1988

CONV 6 OCT 1987 TO RIBB CB FILE

100

REVISION

05744	55	5852	1725	
05745	00	0000	1726	T\$PC12
05746	00	0000	1727	T\$PC13
05747	00	0000	1730	T\$PC14
05750	00	0000	1731	T\$PC15
05751	00	0000	1732	T\$PC16
05752	70	0005	1733	
05753	44	5760	1734	
05754	70	0000	1735	T\$PC17
05755	50	4703	1736	
05756	71	0060	1737	
05757	76	5763	1740	
05760	57	5750	1741	
05761	34	5754	1742	
05762	55	5751	1743	
05763	00	0000	1744	T\$PC21
05764	76	6004	1745	
05765	44	5773	1746	
05766	50	1200	1747	T\$\$1
05767	00	5773		
05770	00	5773		
05771	76	6004	1750	
05772	55	5763	1751	
05773	00	0000	1752	T\$PC23
05774	00	0000	1753	T\$PC24
05775	76	8004	1754	
05776	44	3773	1755	
05777	50	1300	1756	T\$\$2
06000	00	5773		
06001	00	5773		
06002	76	6004	1757	
06003	55	5774	1760	
06004	00	0000	1761	T\$PC25
06005	50	2300	1762	T\$\$3
06006	34	6005	1763	
06007	50	2200	1764	T\$\$4
06010	34	6007	1765	

CONVERT-TYPE 600CL DIGITS IN OCTAL

REBORN
THEIR PAST
WITHIN
THEIR
FIELD DATA DIGIT
TYPE IT
ARE TYPED
NO

YES
 SEND "KYBD" CODE IN AL

DO-KYBD FCT CODE

SKPFIN*CHAN

JP*L0K-1
SKD-11+CHAN

SKPOIN*CHAN
JP*LOK-1

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NUMBER	DATA	TYPE
00011	55 6004	1766
	00 6000	1767
	EP DATE	1770
	EP NUMBER	1771
06012	00 0000	1772
06013	12 8415	1773
06014	50 4203	1774
06015	82 6103	1775
06016	10 8104	1776
06017	04 5465	1777
06020	44 5465	2000
06021	04 5474	2001
06022	44 5474	2002
06023	04 5501	2003
06024	44 5501	2004
06025	04 5503	2005
06026	44 5503	2006
06027	04 5766	2007
06030	44 5766	2010
06031	04 5777	2011
06032	44 5777	2012
06033	04 6005	2013
06034	44 6005	2014
06035	04 6007	2015
06036	44 0007	2016
06037	12 5415	2017
06040	50 4612	2020
06041	52 6105	2021
06042	74 6043	2022
06043	36 0000	2023
06044	13 6055	2024
06045	04 4540	2025
06046	13 6057	2026
06047	04 5715	2027
06050	13 6061	2030
06051	44 5717	2031

IJP*T\$PG25

REMARK*INSERT SELECTED I/O CHANNEL NUMBER

REMARK*IN ALL I/O COMMANDS.

REMARK*MODIFY FOR 1232/1532 INTERCHANGE

0*

ENTAL*ALPARM

RSHAL*3

SLSU*T\$1

STRAL*T\$1

SLSU*T\$2

STRAL*T\$2

SLSU*T\$3

STRAL*T\$3

SLSU*T\$4

STRAL*T\$4

SLSU*T\$1

STRAL*T\$1

SLSU*T\$2

STRAL*T\$2

SLSU*T\$3

STRAL*T\$3

SLSU*T\$4

STRAL*T\$4

SLSU*T\$1

STRAL*T\$1

SLSU*T\$2

STRAL*T\$2

SLSU*T\$3

STRAL*T\$3

SLSU*T\$4

STRAL*T\$4

ENTAL*ALPARM

RSHAL*100

SLSCL*K3

STRADR*L0K+1

ENTBK*0

ENTALB*TYPE1

STRAL*RNOOP

ENTALB*TYPE1+2

STRAL*T\$##1

ENTALB*TYPE1+4

STRAL*T\$##2

INITIAL AL INPUT PARAMETER
CHANNEL NO. TO BITS 5-0

000037

777700

00000000000000000000000000000000

INITIAL AL INPUT PARAMETER
1232/1532 BIT TO BIT 0
000001B IS 0 FOR 1232, 1 FOR 1532
TABLE OF MODIFIED INSTRUCTIONS

PAGE 033

06052	13	6063	2032		ENTALB*TYPE1+6	
06053	44	5722	2033		STRAL*T\$PCSP	
06054	55	6012	2034		IJP*TYPE	
			2035		REMARK*TABLE OF 1232/1532 MODIFIED INSTRUCTIONS	
06055	76	5514	2036	TYPE1	RJP*CONVER	1232
06056	71	0040	2037		ADDALK*40	1532
06057	70	0004	2040		ENTALK*04	1232
06060	70	0015	2041		ENTALK*15	1532
06061	70	0003	2042		ENTALK*03	1232
06062	70	0012	2043		ENTALK*12	1532
06063	70	0005	2044		ENTALK*05	1232
06064	70	0040	2045		ENTALK*40	1532
			2046		REMARK*MODIFY OUTPUT AND EXF BUFFERS FOR N+1 TERMINATION	
06065	00	0000	2047	IOSET	0*	
06066	12	5467	2050		ENTAL*T\$1+2	
06067	71	0001	2051		ADDALK*1	
06070	44	5466	2052		STRAL*T\$1+1	
06071	12	5476	2053		ENTAL*T\$2+2	
06072	71	0001	2054		ADDALK*1	
06073	44	5475	2055		STRAL*T\$2+1	
06074	12	5770	2056		ENTAL*T\$\$1+2	
06075	71	0001	2057		ADDALK*1	
06076	44	5767	2060		STRAL*T\$\$1+1	
06077	12	6001	2061		ENTAL*T\$\$2+2	
06100	71	0001	2062		ADDALK*1	
06101	44	6000	2063		STRAL*T\$2+1	
06102	55	6065	2064		IJP*IOSET	
06103	00	0037	2065	K1	000037*	
06104	77	7700	2066	K2	777700*	
06105	00	0001	2067	K3	000001*	
07000	50	4700	2070	IMAGE	RES*1000	IMAGE AREA